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> [DURATECH 12-in-1 Quick Release Ball Grip Ratchet Driver Bit Set Instruction Manual](#)

DURATECH B08SM866M5

DURATECH 12-in-1 Quick Release Ball Grip Ratchet Driver Bit Set

Model: B08SM866M5

INTRODUCTION

Thank you for choosing the DURATECH 12-in-1 Quick Release Ball Grip Ratchet Driver Bit Set. This versatile tool is designed for efficiency and convenience, featuring a quick-release mechanism, a comfortable ball grip, and a variety of double-ended bits suitable for numerous applications. Please read this manual carefully before use to ensure proper operation and maintenance.

PRODUCT OVERVIEW

The DURATECH 12-in-1 driver set includes a ball grip driver handle and six double-ended bits, providing 12 different screw head types. The handle is designed for comfortable use and features internal storage for the bits.

Components

- Ball Grip Driver Handle (x1)
- 6.35mm (1/4 inch) Double-Ended Bits (x6)



Image: Product Components. This image illustrates the main components of the driver set. It shows the driver handle (1), quick-load device (2), rotation direction switch (3), bit storage holder (4), and base (5). The overall length is 21cm, and the handle is 12cm long.

Bit Types and Material

The included bits are made from high-quality carbon steel, ensuring high strength, hardness, durability, and magnetic properties for secure fastening. The set includes the following double-ended bits:

- Slotted: 4mm & 5mm
- Phillips: PH1 & PH3
- Square: SQ2 & SQ1, SQ3 & PH2 (Note: SQ2 & PH2, SQ3 & SQ1 are listed in product features, but image shows S1, S3, PH2, S2)
- Torx: T10 & T15, T20 & T25



ビット材質

高品質な炭素鋼を採用して、高強度、高硬度、高耐久性、高磁性を実現



⊕ PH1

⊕ PH3



⊛ T10

⊛ T15



⊖ 4

⊖ 5



⊕ PH2

⊖ S2



⊖ S1

⊖ S3



⊛ T20

⊛ T25

Image: Bit Material and Types. This image displays the various double-ended bits included in the set, such as Phillips (PH1, PH3), Torx (T10, T15, T20, T25), Slotted (4, 5), and Square (S1, S2, S3). The bits are made of high-quality carbon steel for strength and durability.

SETUP

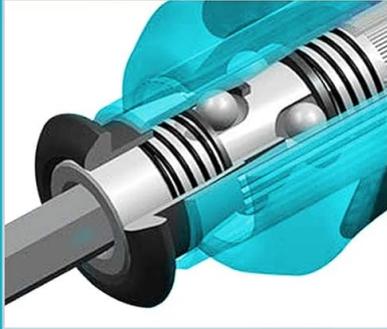
Inserting and Removing Bits

The driver features an automatic lock and quick-release design for easy bit changes. To insert or remove a bit:

1. Push down the blue quick-release collar on the driver head.
2. Insert the desired double-ended bit into the hexagonal opening until it clicks into place. Release the collar to secure the bit.
3. To remove, push down the quick-release collar and pull the bit out.



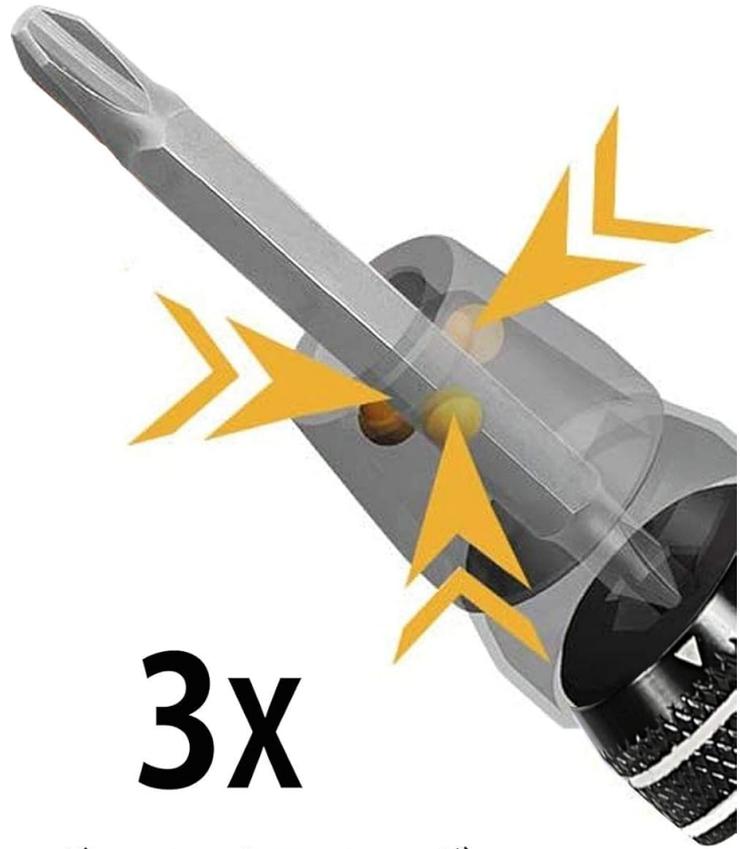
押し込み



堅い固定装置



引き出し



3x

ボールベアリング

ロック機構

Image: Quick Load Mechanism. This image demonstrates the quick-load mechanism. It shows how to push the bit in, the secure locking device, and how to pull the bit out. The 3x ball bearing lock mechanism ensures a firm grip on the bit.



Image: Bit Insertion and Removal. This image shows the two steps for changing bits: 1. Push down the switch and insert the bit. 2. Push down the switch and remove the bit. This illustrates the quick-release functionality.

Ratchet Mechanism

The driver features a convenient ratchet mechanism with three modes:

- **Clockwise:** For tightening screws.
- **Counter-clockwise:** For loosening screws.
- **Locked:** For fixed driving, preventing rotation in either direction.

Adjust the switch on the driver head to select the desired rotation mode. This mechanism allows for strong rotational force and saves effort during repetitive tasks.



Image: Ratchet Mechanism. This diagram shows the rotation direction switch and indicator arrow. When the arrow points to the middle, the driver can rotate in both directions. When pointing right, the driver can only rotate clockwise. When pointing left, the driver can only rotate counter-clockwise.

Video: Ratchet Driver Usage. This video demonstrates the use of a ratchet driver, showing how to insert bits, adjust the head angle, and use the ratchet function for tightening screws in various applications. It highlights the convenience of the ratchet mechanism for efficient work.

Video: DURATECH 12-in-1 Short Driver. This video showcases the DURATECH 12-in-1 short driver, demonstrating its compact design, bit storage, quick-release mechanism, and ratchet function for various tasks.

Applications

This driver set is suitable for a wide range of tasks, including:

- Furniture assembly and disassembly.
- Maintenance and repair of home appliances (e.g., air conditioners, televisions).
- Repair of children's toys.
- Automotive and bicycle maintenance.
- General industrial inspection and repair.

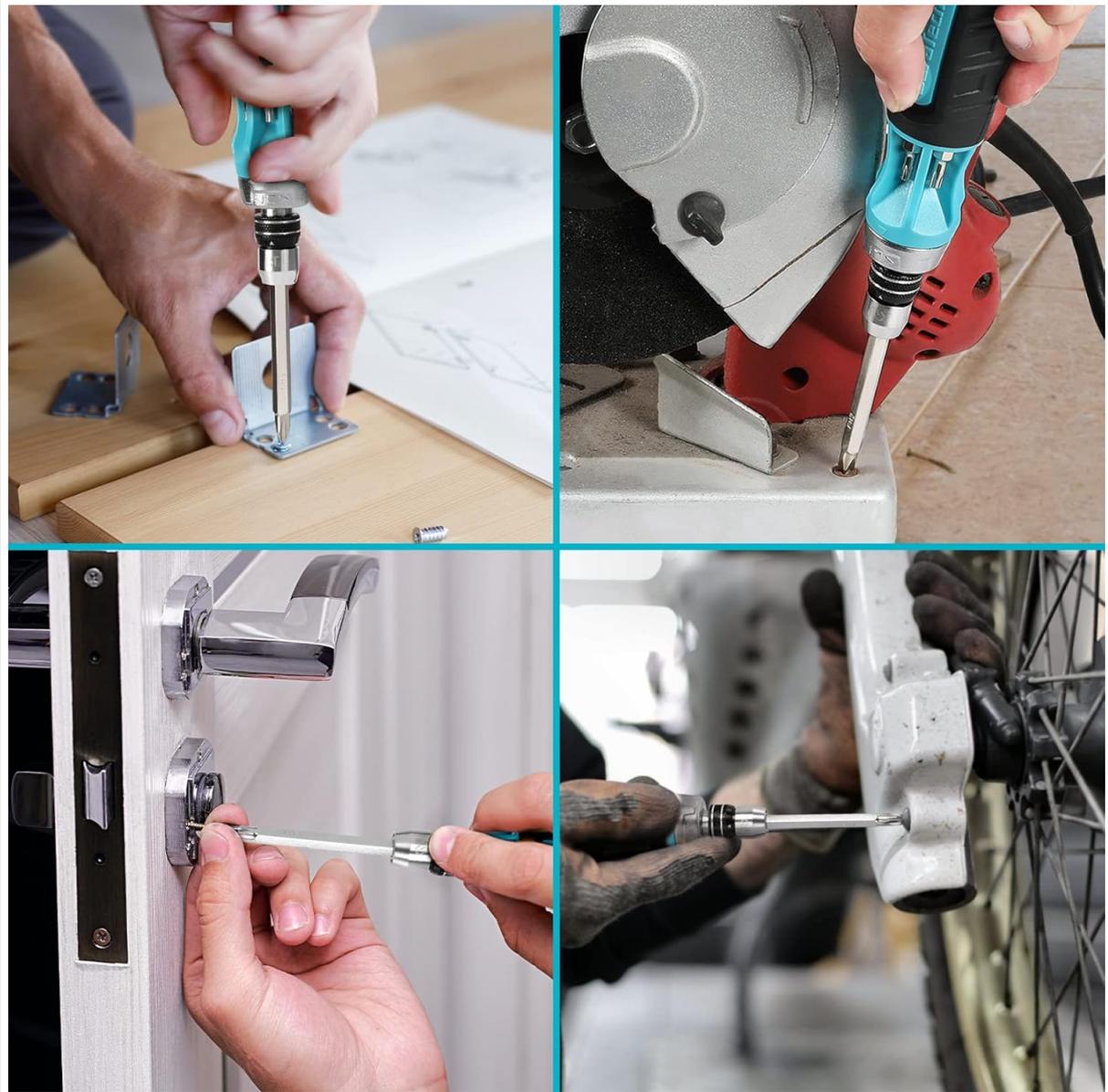


Image: Usage Examples. This collage shows the driver being used in various scenarios, including assembling furniture, working on machinery, installing door hardware, and performing bicycle maintenance.

MAINTENANCE

To ensure the longevity and optimal performance of your DURATECH driver set, follow these maintenance guidelines:

- **Cleaning:** After each use, wipe the driver handle and bits with a clean, dry cloth to remove any dirt, grease,

or debris. For stubborn grime, a mild detergent solution can be used, followed by thorough drying.

- **Lubrication:** Periodically apply a small amount of light machine oil to the ratchet mechanism and quick-release collar to ensure smooth operation. Avoid over-lubrication.
- **Storage:** Store the driver and bits in a dry place, away from moisture and extreme temperatures. The driver handle is designed with internal storage for the bits, which helps prevent loss and keeps them organized.
- **Inspection:** Regularly inspect the bits for wear or damage. Replace any worn or damaged bits to prevent stripping screws. Check the driver handle for any cracks or damage.



Image: Bit Storage in Handle. This image shows the driver handle with its end cap removed, revealing the internal storage for the double-ended bits. This design allows for convenient portability and helps prevent bits from being lost.

TROUBLESHOOTING

If you encounter any issues with your DURATECH driver set, refer to the following common troubleshooting tips:

- **Bit not holding securely:** Ensure the quick-release collar is fully released after inserting the bit. Check if the bit or the driver's hexagonal opening is clean and free of debris. If the ball bearings are worn, the bit may not hold firmly.
- **Ratchet mechanism not engaging or slipping:** Verify that the rotation direction switch is set correctly (clockwise, counter-clockwise, or locked). Clean the ratchet mechanism to remove any accumulated dirt or debris that might be hindering its function.
- **Difficulty inserting or removing bits:** Ensure the quick-release collar is fully depressed. Clean the bit and the driver's opening. If the mechanism feels stiff, apply a small amount of lubricant.
- **Reduced magnetic strength:** Over time, magnets can lose some strength. Ensure the bits are clean, as metal filings can interfere with magnetic attraction.

If these steps do not resolve the issue, please contact DURATECH customer support for further assistance.

SPECIFICATIONS

| Feature | Detail |
|--------------------|---------------------|
| Brand | DURATECH |
| Model Number | B08SM866M5 |
| Package Dimensions | 15.8 x 4.8 x 4.2 cm |
| Item Weight | 280 g |

| Feature | Detail |
|----------------------|--|
| Material | Rubber, Metal (High-quality carbon steel bits) |
| Color | Blue, Black, Gray |
| Number of Items | 12 (1 driver, 6 double-ended bits) |
| Head Styles Included | Phillips, Slotted, Torx, Square |
| UPC | 820909663416 |

WARRANTY AND SUPPORT

DURATECH products are manufactured to high-quality standards. For warranty information or technical support, please refer to the product packaging or contact DURATECH customer service directly. Keep your purchase receipt as proof of purchase.